

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0121177

Owner: Burlington Northern & Santa Fe Railway Co. (BNSF)
Address: 920 S.E. Quincy, Topeka, KS 66612

Continuing Authority: Same as above
Address: Same as above

Facility Name: BNSF - Cuba Yard
Address: 508 Main, Cuba, MO 65453

Legal Description: Sec. 30 & 31, T39N, R4W, Crawford County

Receiving Stream: Tributary to Pleasant Valley Creek (U)
First Classified Stream and ID: Pleasant Valley Creek (C)(02058)
USGS Basin & Sub-watershed No.: (07140103-090002)

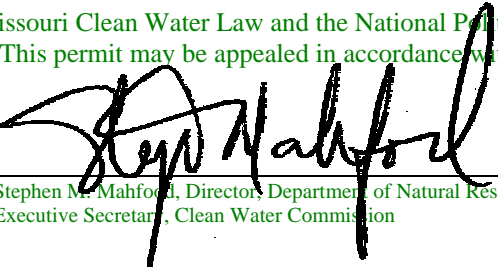
is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

See page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

January 16, 1998 October 4, 2002
Effective Date Revised


Stephen M. Mahford, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

January 15, 2003
Expiration Date
MO 780-0041 (10-93)

Jim Hull, Director of Staff, Clean Water Commission

FACILITY DESCRIPTION

Outfall #001 - SIC #4011

Storm water runoff from central portion of yard, the railcar maintenance area, and an outside storage area. Fueling does not occur within this portion of the yard.

Outfall #002 - SIC #4011

Storm water runoff from easterly portion of yard. This area does not contain outside storage.

Outfall #003 - SIC #4011

Storm water runoff from westerly portion of yard. Maintenance activities are not conducted in this portion of the yard. Similarly, this area does not contain any outside storage.

Outfall #004 - SIC #4011

Storm water runoff from material storage and equipment parking. This area was formerly a tributary to Outfall #002.

Outfall #005 - SIC #4011

Storm water runoff from material storage and equipment parking. This area was formerly a tributary to Outfall #003.

Design flow is 0.57 MGD.

Actual flow is dependent upon precipitation.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 3 of 5	
					PERMIT NUMBER MO-0121177	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #001, #002, #003, #004 & #005</u>						
Flow	MGD	*		*	once/quarter****	24 hr. estimate
pH - Units	SU	**		**	once/quarter****	grab***
Settleable Solids	mL/L/hr	1.5		1.0	once/quarter****	grab***
Total Petroleum Hydrocarbons	mg/L	15		10	once/quarter****	grab***
Cadmium, Total Recoverable	µg/L	72		72	once/quarter****	grab***
Lead, Total Recoverable	µg/L	190		190	once/quarter****	grab***
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>January 28, 2003</u> .						
Appendix D (Note 1)	µg/L	*		*	once/year	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- *** A representative grab sample shall be collected 30 to 60 minutes after a storm water discharge begins.
- **** Sample once per quarter in the months of March, June, September & December.

Note 1 - Test for chemicals listed in 40 CFR, Part 122, Appendix D, Tables II, III, IV, and V.

C. SPECIAL CONDITIONS

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. Report as no-discharge when a discharge does not occur during the report period.
2. Within thirty (30) days of permit issuance, permittee shall construct permanent markers or monuments at sampling locations.
3. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
4. Permittee shall designate any individual as responsible for environmental matters. Provide for inspection by facility staff, weekly, of any structures that function to prevent pollution from storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective. Records of inspections must be kept and made available to DNR upon request.
5. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

C. SPECIAL CONDITIONS (continued)

6. Reporting of Effluent Violations

If any of the sampling results from any of the outfall show any violation of the permit discharge limitations, written notification shall be made to the Department of Natural Resources within five (5) days of notification of analytical results. Notification shall indicate the dates(s) of sample collection, the analytical results, and permit number, and shall include a statement concerning the revisions or modifications in management practices that are being implemented to address the violation of the limitations that occurred.

After a violation has been reported, another water sample must be collected at outfall(s) for which the violation occurred. Analytical results of this sample shall be submitted in writing to the Department of Natural Resources (this paragraph supersedes Part I, Section B:2.A. Noncompliance Notification).

7. Records Retention and Reporting

Monitoring reports shall be submitted within 28 days after the end of each quarter or year as required by the permit. All sampling data shall be maintained by the permittee for a period of five (5) years and shall be supplied to the Department of Natural Resources upon written request (supercedes Part I. Section A:7. Records Retention). A copy of all of the sampling data must be submitted with an application for reissuance of this permit.